

RECOVERABLE REFERENCE CLOCK ARCHITECTURE FOR SONET/SDH AND ETHERNET MIXED BIDIRECTIONAL APPLICATIONS

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Abstract of the Disclosure

Systems and methods for employing asynchronous transceivers in synchronous data communications. For example, a 10 Gigabit Ethernet transceiver may be used to support SONET/SDH communications with or without G.709 coding. Such a transceiver is clocked with a recovered clock signal when a received synchronous signal is available
10 and with a locally generated clock when no such remotely generated signal is available.